Mobile Authentication Corporation System Architecture and Specifications

Web Tier

Web Application

1 IIS Web   **3** IIS Web

Web Services

1 IIS Web   **3** IIS Web

***** SSL secured communications

Data Tier

2 - A MongoDB   **2** - B File Content   **2** - C SMTP Mail

3 MongoDB   **3** File Content   **3** SMTP Mail
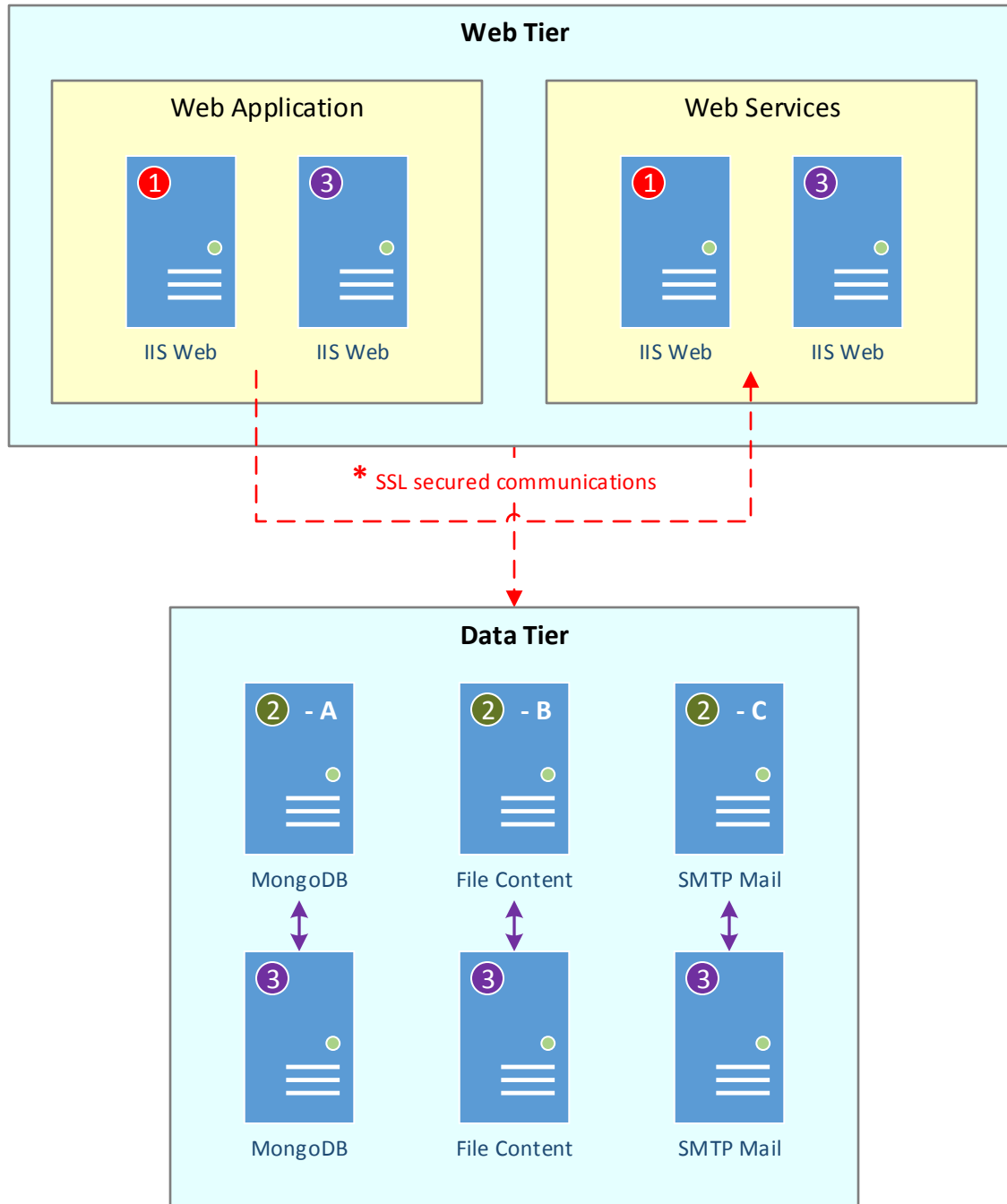
MAC System Requirements

***** SSL wildcard domain certificate required for secure communications between systems and End User.

1 Web Tier – App & Services
Minimum configuration
Hardware: Quad core processor, min 8gigs RAM, min 50gigs storage, Gigabit ethernet

Software: Windows Server 2012 with Active Directory, IIS 7.5, .Net 4.5, C# MongoDB driver, MAC client components

2 Data Tier – Database, file & email
Minimum configuration
Hardware: Quad core processor, min 32gigs RAM, min 2TB storage, Gigabit ethernet

Software: Windows Server 2012 with Active Directory, IIS 7.5, .Net 4.5, C# MongoDB driver, MAC client components

A) **Additional Software**: MongoDB v2.6.0, MongoVue (Admin UI) v1.6.9

B) **Additional Software**: DFS/DFSRS or 3rd party file sync software (PeerSync) etc.

C) **Additional Software**: MSExchange or other 3rd party SMTP service platform

3 Optional – Scaling / Fault-tolerance
Each server configuration same as above
These are additional servers setup as load-balanced, fault-tolerant resource clusters mirroring each required server type.